JOURNAL OF PATHOLOGY, VOLUME 123

INDEX OF SUBJECTS

PAGE

ALLOGRAFTS, aortic in the rabbit, scanning electron-microscope studies of the endothelium 237
ALPHA-FETOPROTEIN, urinary excretion in rats on a cirrhogenic carbon tetrachloride regimen 85
AORTA, allografts in the rabbit, study of endothelium by use of scanning electron-microscope 237
APOPTOSIS in the small intestine of zinc-deficient and fasted rats . . 219
ARTHRITIS, comparative ultrastructural morphology of aurosomes produced by colloidal gold and soluble gold salts 181
histological observations of degenerative joint disease in the mouse knee . 109
mixed crystal deposition in an osteo-arthritic joint 1
radiological and morphological observations of degenerative joint disease in the mouse knee 97
studies of degenerative joint disease in the mouse knee joint using the scanning electron microscope 211
ATHEROMA, role of smooth muscle and hematogenous macrophages . . 123
AUROSOMES produced by colloidal gold and soluble gold salts 181
AUTOPSY and clinical assessment of the cause of death 193

BONE avascular necrosis and its relation to fixation of a small joint, the pathology and aetiology of "otosclerosis" . 5
BRAIN, capillary telangiectasis in a chimpanzee 93
BREAST, ultrastructure of tubular carcinoma 79

CALCIUM PYROPHOSPHATE, mixed crystal deposition in an osteoarthritic joint . 1
CAPILLARIES, telangiectasis of the brain in a chimpanzee 93
CARBON TETRACHLORIDE, alpha-fetoprotein detection in serum and urine of rats subjected to protracted CCl_4 poisoning 85
CELL FUSION in hamsters induced by lectins studies on the phagocytic capacity of macrophage polykaryons . . 53 65
CHIMPANZEE, capillary telangiectasis of the brain 93
CYCLIC AMP and the mechanism of leucocyte lysosomal enzyme release during an immediate hypersensitivity reaction *in vivo* 129
CYTOTOXICITY, effects of glucocorticoids in human lymphoblastoid cell lines . 145

DAFT LAMBS, muscle lesions in Border Leicester sheep 225

ELECTRON-MICROSCOPE STUDY, cell death in developing skeletal muscle . . 175
degenerative joint disease in the mouse knee joint 211
effect of exposure of murine peritoneal exudate and resident macrophages to high molecular levan 157
effect of inflammatory stimuli on the stroma of neoplasms, involvement of mononuclear phagocytes . . . 165
endothelium of aortic allografts in the rabbit 237
human chronic Mansonian schistosomiasis, cell proliferation and fibre formation in the hepatic sinusoidal wall 35
irreversible glomerular damage following heterologous serum albumin overload 45
pathology of Sandhoff's disease . . 137
synovial haemangioma of the knee . 247
tubular carcinoma of the breast . . 79
ENDOCYTOSIS, studies on the phagocytic capacity of macrophage polykaryons. 65
ESTERASE, role of smooth muscle cells and haematogenous macrophages in atheroma 123

FIBROSARCOMA, effect of inflammatory stimuli on the stroma of neoplasms, involvement of mononuclear phagocytes 165
FIBROSIS, human chronic Mansonian schistosomiasis, cell proliferation and fibre formation in the hepatic sinusoidal wall, a morphometric, light and electron-microscopy study . . 35
urinary excretion of alpha-fetoprotein in rats on a cirrhogenic carbon tetrachloride regimen 85
FOETUS, cell death in developing skeletal muscle, histochemistry and ultrastructure 175

PAGE

FREUND'S ADJUVANT, phagocytic potential of macrophages from within delayed hypersensitivity-mediated granulomata 27

GANGLIOSIDOSES, pathology of Sandhoff's disease 137
GENETIC ANOMALY, muscle lesions in hereditary "daft lamb" disease of Border Leicester sheep 225
GLOMERULUS, irreversible damage following heterologous serum albumin overload 45
GLUCOCORTICOIDS in human lymphoblastoid cell lines, cytolethal effects . 145
GLUCURONIDASE, cyclic AMP and the mechanism of leucocyte lysosomal enzyme release during an immediate hypersensitivity reaction *in vivo* . 129
GOLD, comparative ultrastructural morphology of aurosomes produced by colloidal gold and soluble gold salts . 181
GRANULOMA, fusion of hamster macrophages induced by lectins. . . 53
phagocytic potential of macrophages from within delayed hypersensitivity-mediated granulomata . . . 27
GUINEA-PIGS, male albino weighing from 400–500 g used for the study of phagocytic potential of macrophages from within delayed hypersensitivity-mediated granulomata . . . 27

HAEMANGIOMA of the synovium of the knee, light and electron-microscopic findings 247
HAMSTER, fusion of macrophages induced by lectins 53
studies on the phagocytic capacity of macrophage polykaryons . . 65
HEXOSAMINIDASE, pathology of Sandhoff's disease 137
HISTOCHEMISTRY, cell death in developing skeletal muscle 175
muscle lesions in hereditary "daft lamb" disease of Border Leicester sheep 225
HYDROXYAPATITE, mixed crystal deposition in an osteoarthritic joint . . 1
HYPERSENSITIVITY, cyclic AMP and the mechanism of leucocyte lysosomal enzyme release during an immediate hypersensitivity reaction *in vivo* . 129
phagocytic potential of macrophages from within delayed hypersensitivity-mediated granulomata . . . 27

INTESTINE, apoptosis in zinc-deficient and fasted rats 219
ISCHAEMIA, avascular necrosis of bone and its relation to fixation of a small joint, pathology and aetiology of "otosclerosis" 5

KIDNEY, irreversible glomerular damage following heterologous serum albumin overload 45

LACTIC DEHYDROGENASE isoenzyme pattern in a meningioma with pulmonary metastases 187
LECTINS used for inducement of fusion of hamster macrophages . . . 53
LEUCOCYTE, cyclic AMP and the mechanism of leucocyte lysosomal enzyme release during an immediate hypersensitivity reaction *in vivo* 129
LEVAN, effects on lysosomes and on the macrophage membrane . . . 157
LIPID, role of smooth muscle cells and hematogenous macrophages in atheroma 123
LIVER, human chronic Mansonian schistosomiasis, cell proliferation and fibre formation in the hepatic sinusoidal wall, a morphometric, light and electron-microscopy study . . 35
urinary excretion of alpha-fetoprotein in rats on a cirrhogenic carbon tetrachloride regimen 85
LUNG, LDH isoenzyme pattern in a meningioma with pulmonary metastases 187
LYMPHOBLASTS, cytolethal effects of glucocorticoids in human cell lines . 145
LYSOSOME, cyclic AMP and the mechanism of leucocyte lysosomal enzyme release during an immediate hypersensitivity reaction *in vivo* 129
effects of exposure of murine peritoneal exudate and resident macrophages to high molecular levan, a morphological study 157

MACROPHAGES, effect of inflammatory stimuli on the stroma of neoplasms, the involvement of mononuclear phagocytes 165
effects of exposure of murine peritoneal exudate and resident macrophages to high molecular levan, a morphological study 157
fusion induced by lectins in hamsters . 53
hematogenous, in atheroma, the role of smooth muscle cells . . . 123
phagocytic potential from within delayed hypersensitivity-mediated granulomata 27
polykaryons, studies on the phagocytic capacity 65
MENINGIOMA with pulmonary metastases, LDH isoenzyme pattern . . . 187

PAGE

METASTASES, pulmonary, in a case of intraspinal meningioma in a 14-yr-old female, study of LDH . . . 187
MORPHOMETRY, human chronic Mansonian schistosomiasis, cell proliferation and fibre formation in the hepatic sinusoidal wall 35
MOUSE, histological observations in degenerative joint disease in the knee . 109
morphological study of effects of exposure of peritoneal exudate and resident macrophages to high molecular levan 157
phagocytic capacity of macrophage polykaryons 65
radiological and morphological observations in degenerative joint disease in the knee 97
scanning electron-microscopic studies of degenerative joint disease in the knee 211
MUSCLE, SKELETAL, histochemical and ultrastructural studies of cell death in 14 fresh normal foetuses . . 175
lesions in hereditary "daft lamb" disease of Border Leicester sheep . 225
MUSCLE, SMOOTH, myocytes and macrophages in atheroma . . . 123
MYCOBACTERIUM TUBERCULOSIS, phagocytic potential of macrophages from within delayed hypersensitivity - mediated granulomata. 27

NECROPSY, clinical and post-mortem assessment of the cause of death . 193
NECROSIS, avascular, of bone and its relation to fixation of a small joint, the pathology and aetiology of "otosclerosis" 5

OTOSCLEROSIS, pathology of 401 stapedectomy specimens 5

PHAGOCYTES, effect of inflammatory stimuli on the stroma of neoplasms, involvement of mononucelar phagocytes . 165
effects of exposure of murine peritoneal exudate and resident macrophages to high molecular levan, a morphological study 157
fusion of hamster macrophages induced by lectins 53
in-vitro and *in-vivo*-induced hamster giant cells for the study of phagocytosis 65
macrophages in granulomas mediated by delayed hypersensitivity studied for ability to phagocytose using male albino guinea-pigs 27
role of smooth muscle cells and hematogenous macrophages in atheroma . 123

PAGE

synovial haemangioma of the knee, light and electron-microscopic findings 247
PHLEBOLITHS, light and electron-microscopic findings in synovial haemangioma of the knee 247
POLYKARYONS, study of phagocytic capacity 65
PROTEINURIA, irreversible glomerular damage following heterologous serum albumin overload 45

RABBITS, comparative ultrastructural morphology of aurosomes produced by colloidal gold and soluble gold salts 181
role of smooth muscle cells and hematogenous macrophages in atheroma . 123
scanning electron-microscope studies of the endothelium of aortic allografts, morphological observations . . 237
RATS, apoptosis in the small intestine in zinc deficiency and fasting . . 219
cyclic AMP and the mechanism of leucocyte lysosomal enzyme release during an immediate hyper-sensitivity reaction *in vivo* 129
effect of inflammatory stimuli on the stroma of neoplasms, involvement of mononuclear phagocytes . . . 165
irreversible glomerular damage following heterologous serum albumin overload 45
urinary excretion of alpha-fetoprotein on a cirrhogenic carbon tetrachloride regimen 85
RETICULO-ENDOTHELIAL SYSTEM, pathology of Sandhoff's disease . . . 137

REVIEWS OF BOOKS—
Pathology of peripheral nerves by Weller, R. O. and Cervós-Navarro, J. (Butterworth) 63
Colour atlas of gynaecological cytopathology by Grubb, C. (H. M. & M. Publishing Co.) 63
Histochemistry of the adenohypophysis. Volume VIII (suppl). Part 4 of the Handbook of histochemistry by Girod, C. (Stuttgart: Gustav Verlag) . . 64
Atlas of cerebrovascular disease by McCormick, W. F. and Schochet, S. S. (Holt Saunders) 64

SANDHOFF'S DISEASE, morbid anatomy of a case with outline of morphological differences distinguishing entity from other GM_2 gangliosidoses . . 137
SCHISTOSOMIASIS, human chronic Mansonian, cell proliferation and fibre formation in the hepatic sinusoidal wall, a morphometric, light and electron-microscopy study 35

PAGE

SHEEP, Border Leicester, muscle lesions in hereditary " daft lamb " disease . 225
SYNOVIAL HAEMANGIOMA of the knee, light and electron-microscopic findings . 247

TELANGIECTASIS of the brain in a chimpanzee 93
TUMOURS, ANIMAL, INDIVIDUAL, effect of inflammatory stimuli on the stroma of neoplasms, involvement of mononuclear phagocytes 165

PAGE

TUMOURS, HUMAN, INDIVIDUAL, LDH isoenzyme pattern in a meningioma with pulmonary metastases . . . 187
synovial haemangioma of the knee, light and electron-microscopic findings . 247
ultrastructure of tubular carcinoma of the breast 79

ZINC, apoptosis in the small intestine of zinc-deficient and fasted rats . . 219

INDEX OF AUTHORS

PAGE

AHMED, A. and HARRIS, M., the ultrastructure of tubular carcinoma of the breast 79

ALLEN, INGRID V., MCCLURE, J., MCCORMICK, D. and GLEADHILL, C. A., LDH isoenzyme pattern in a meningioma with pulmonary metastases 187

ANDERSON, CAROLYN, WYNNE-ROBERTS, C. ROSALES, TURANO, A. M. and BARON, M., synovial haemangioma of the knee: light and electron-microscopic findings 247

BARON, M., WYNNE-ROBERTS, C. ROSALES, ANDERSON, CAROLYN and TURANO, A. M., synovial haemangioma of the knee: light and electron-microscopic findings 247

BIRD, C. C., ROBERTSON, ALISON M. G., READ, JUDY and CURRIE, A. R., cytolethal effects of glucocorticoids in human lymphoblastoid cell lines . 145

BOSS, J. H., ZAJICEK, G. and ROSENMANN, E., urinary excretion of alpha-fetoprotein in rats on a cirrhogenic carbon tetrachloride regimen . . 85

BOWYER, D. E. and REIDY, M. A., scanning electron-microscope studies of the endothelium of aortic allografts in the rabbit: morphological observations . 237

BRADLEY, R. and TERLECKI, S., muscle lesions in hereditary "daft lamb" disease of Border Leicester sheep . 225

BREWER, D. B. and DAVIES, D. J., irreversible glomerular damage following heterologous serum albumin overload 45

CANTO, A. L., SESSO, A. and DE BRITO, T., human chronic Mansonian schistosomiasis—cell proliferation and fibre formation in the hepatic sinusoidal wall: a morphometric, light and electron-microscopy study . . 35

CHAMBERS, T. J., fusion of hamster macrophages induced by lectins. . . . 53

CHAMBERS, T. J., studies on the phagocytic capacity of macrophage polykaryons. 65

CROCKER, P. R., DOYLE, D. V., DIEPPE, P. A., IBE, K. and WILLOUGHBY, D. A., mixed crystal deposition in an osteoarthritic joint 1

PAGE

CURRIE, A. R., BIRD, C. C., ROBERTSON, ALISON M. G. and READ, JUDY, cytolethal effects of glucocorticoids in human lymphoblastoid cell lines . 145

DAVID, R. B., HADFIELD, M. G. and MAMUMES, P., the pathology of Sandhoff's disease 137

DAVIES, D. J. and BREWER, D. B., irreversible glomerular damage following heterologous serum albumin overload 45

DE BRITO, T., CANTO, A. L. and SESSO, A., human chronic Mansonian schistosomiasis—cell proliferation and fibre formation in the hepatic sinusoidal wall: a morphometric, light and electron-microscopy study . . 35

DEPORTER, D. A., cyclic AMP and the mechanism of leucocyte lysosomal enzyme release during an immediate hypersensitivity reaction *in vivo* . 129

DIEPPE, P. A., DOYLE, D. V., CROCKER, P. R., IBE, K. and WILLOGHBY, D. A., mixed crystal deposition in an osteoarthritic joint 1

DIGIACOMO, R. F., HEFFNER, R. R. JR., SULIMA, M. P., GIBBS, C. J. JR., GAJDUSEK, D. C. and LEMMON, W. B., capillary telangiectasis of the brain in a chimpanzee 93

DOYLE, D. V., DIEPPE, P. A., CROCKER, P. R., IBE, K. and WILLOGHBY, D. A., mixed crystal deposition in an osteoarthritic joint 1

ELMES, MARGARET E., apoptosis in the small intestine of zinc-deficient and fasted rats 219

GAJDUSEK, D. C., DIGIACOMO, R. F., HEFFNER, R. R. JR., SULIMA, M. P., GIBBS, C. J. JR. and LEMMON, W. B., capillary telangiectasis of the brain in a chimpanzee 93

GATON, E. and WOLMAN, M., the role of smooth muscle cells and hematogenous macrophages in atheroma . 123

GHADIALLY, F. N., THOMAS, I. and LALONDE, J-M. A., comparative ultrastructural morphology of aurosomes produced by colloidal gold and soluble gold salts 181

PAGE

GIBBS, C. J. JR., DIGIACOMO, R. F., HEFFNER, R. R. JR., SULIMA, M. P., GAJDUSEK, D. C. and LEMMON, W. B., capillary telangiectasis of the brain in a chimpanzee 93

GLEADHILL, C. A., ALLEN, INGRID V., MCCLURE, J. and MCCORMICK, D., LDH isoenzyme pattern in a meningioma with pulmonary metastases . 187

HADFIELD, M. G., MAMUMES, P. and DAVID, R. B., the pathology of Sandhoff's disease 137

HARRIS, M. and AHMED, A., the ultrastructure of tubular carcinoma of the breast 79

HARTVEIT, F., clinical and post-mortem assessment of the cause of death . 193

HEFFNER, R. R. JR., DIGIACOMO, R. F., SULIMA, M. P., GIBBS, C. J. JR., GAJDUSEK, D. C. and LEMMON, W. B., capillary telangiectasis of the brain in a chimpanzee 93

IBE, K., DOYLE, D. V., DIEPPE, P. A., CROCKER, P. R. and WILLOUGHBY, D. A., mixed crystal deposition in an osteoarthritic joint 1

LALONDE, J-M. A., GHADIALLY, F. N. and THOMAS, I., comparative ultrastructural morphology of aurosomes produced by colloidal gold and soluble gold salts 181

LEMMON, W. B., DIGIACOMO, R. F., HEFFNER, R. R. JR., SULIMA, M. P., GIBBS, C. J. JR. and LEMMON, W. B., capillary telangiectasis of the brain in a chimpanzee 93

MCCLURE, J., ALLEN, INGRID V., MCCORMICK, D. and GLEADHILL, C. A., LDH isoenzyme pattern in a meningioma with pulmonary metastases 187

MCCORMICK, D., ALLEN, INGRID V., MCCLURE, J. and GLEADHILL, C. A., LDH isoenzyme pattern in a meningioma with pulmonary metastases . 187

MALUCELLI, B. E., MARIANO, M. and NIKITIN, T., phagocytic potential of macrophages from within delayed hypersensitivity-mediated granulomata 27

MAMUMES, P., HADFIELD, M. G. and DAVID, R. B., the pathology of Sandhoff's disease 137

MARIANO, M., NIKITIN, T. and MALUCELLI, B. E., phagocytic potential of macrophages from within delayed hypersensitivity-mediated granulomata . 27

PAGE

NIKITIN, T., MARIANO, M. and MALUCELLI, B. E., phagocytic potential of macrophages from within delayed hypersensitivity-mediated granulomata . 27

PAPADIMITRIOU, J. M., ROBERTSON, T. A., WALTERS, M. N-I. and WOLMAN, M., effects of exposure of murine peritoneal exudate and resident macrophages to high molecular levan: a morphological study . . . 157

PAPADIMITRIOU, J. M. and WOODS, A. E., the effect of inflammatory stimuli on the stroma of neoplasms: the involvement of mononuclear phagocytes . 165

READ, JUDY, BIRD, C. C., ROBERSTON, ALISON M. G. and CURRIE, A. R., cytolethal effects of glucocorticoids in human lymphoblastoid cell lines . 145

REIDY, M. A. and BOWYER, D. E., scanning electron-microscope studies of the endothelium of aortic allografts in the rabbit: morphological observations . 237

ROBERTSON, ALISON M. G., BIRD, C. C., READ, JUDY and CURRIE, A. R., cytolethal effects of glucocorticoids in human lymphoblastoid cell lines . 145

ROBERTSON, T. A., PAPADIMITRIOU, J. M., WALTERS, M. N-I. and WOLMAN, M., effects of exposure of murine peritoneal exudate and resident macrophages to high molecular levan: a morphological study . . . 157

ROSENMANN, E., BOSS, J. H. and ZAJICEK, G., urinary excretion of alpha-fetoprotein in rats on a cirrhogenic carbon tetrachloride regimen . . 85

SESSO, A., CANTO, A. L. and DE BRITO, T., human chronic Mansonian schistosomiasis—cell proliferation and fibre formation in the hepatic sinusoidal wall: a morphometric, light and electron-microscopy study . . 35

SULIMA, M. P., DIGIACOMO, R. F., HEFFNER, R. R. JR., GIBBS, C. J. JR., GAJDUSEK, D. C. and LEMMON, W. B., capillary telangiectasis of the brain in a chimpanzee 93

TERLECKI, S. and BRADLEY, R., muscle lesions in hereditary "daft lamb" disease of Border Leicester sheep . 225

THOMAS, I., GHADIALLY, F. N. and LALONDE, J-M. A., comparative ultrastructural morphology of aurosomes produced by colloidal gold and soluble gold salts 181

PAGE

TURANO, A. M., WYNNE-ROBERTS, C. ROSALES, ANDERSON, CAROLYN and BARON, M., synovial haemangioma of the knee: light and electron-microscopic findings 247

WALTERS, M. N-I., ROBERTSON, T. A., PAPADIMITRIOU, J. M. and WOLMAN, M., effects of exposure of murine peritoneal exudate and resident macrophages to high molecular levan: a morphological study 157

WALTON, M., degenerative joint disease in the mouse knee: radiological and morphological observations . . 97

WALTON, M., degenerative joint disease in the mouse knee: histological observations 109

WALTON, M., studies of degenerative joint disease in the mouse knee joint. III. Scanning electron microscopy . 211

WEBB, J. N., cell death in developing skeletal muscle: histochemistry and ultrastructure 175

WILLOUGHBY, D. A., DOYLE, D. V., DIEPPE, P. A., CROCKER, P. R. and IBE, K., mixed crystal deposition in an osteoarthritic joint 1

PAGE

WOLMAN, M. and GATON, E., the role of smooth muscle cells and hematogenous macrophages in atheroma . 123

WOLMAN, M., ROBERTSON, T. A., PAPADIMITRIOU, J. M. and WALTERS, M. N-I., effects of exposure of murine peritoneal exudate and resident macrophages to high molecular levan: a morphological study 157

WOODS, A. E. and PAPADIMITRIOU, J. M., the effect of inflammatory stimuli on the stroma of neoplasms: the involvement of mononuclear phagocytes . 165

WRIGHT, I., avascular necrosis of bone and its relation to fixation of a small joint: the pathology and aetiology of " otosclerosis " 5

WYNNE-ROBERTS, C. ROSALES, ANDERSON, CAROLYN, TURANO, A. M. and BARON, M., synovial haemangioma of the knee: light and electron-microscopic findings 247

ZAJICEK, G., BOSS, J. H. and ROSENMANN, E., urinary excretion of alpha-fetoprotein in rats on a cirrhogenic carbon tetrachloride regimen . . 85